

ANTIBODIES SPECIFIC FOR PROTEINS HAVING POLYGLUTAMINE EXPANSIONS

ABSTRACT OF THE DISCLOSURE

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Antibodies, as well as binding fragments and mimetics thereof, that specifically bind to polyglutamine expansion containing proteins, e.g. mutant huntingtin protein, are provided. The subject binding agents, e.g. antibodies, fragments and mimetics thereof, etc., are characterized in that they bind to the target polyglutamine expansion containing protein in a manner that differs from the 1C2 antibody, e.g. in terms of affinity, avidity, and the like. Also provided are methods of screening compounds for polyglutamine expansion protein binding modulation activity, as well as pharmaceutical compositions of such agents. In addition, methods and devices for screening samples for the presence of polyglutamine expansion containing proteins, e.g. mutant huntingtin protein, are provided. Finally, nucleic acids encoding the subject antibodies and methods for their expression, including in therapeutic treatment protocols, are provided.

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